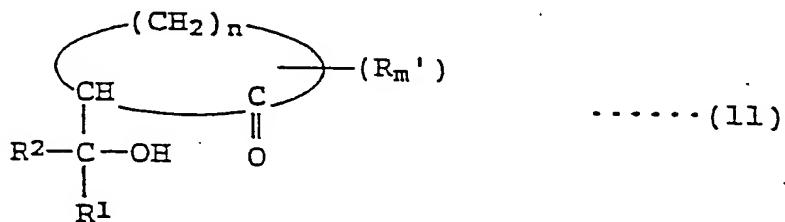
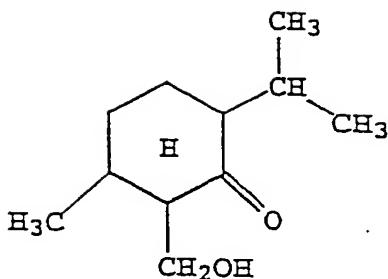


1. A noxious-insect repellent which contains 0.1-90% by weight, based on the total weight, of at least one of 2-(1-hydroxyalkyl)-cycloalkanones represented by the following general structural formula (11):



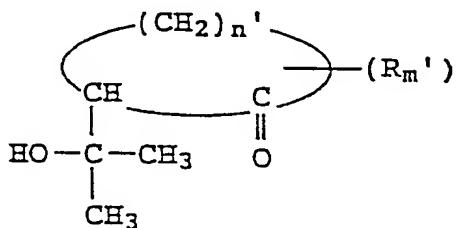
wherein n is an integer of 3-10; R¹ is hydrogen or a straight-chain saturated hydrocarbon radical having 1-6 carbon atoms; R² is hydrogen or a methyl group; R_{m'} is m' of the same or different, straight chain or branched, saturated or unsaturated, hydrocarbon radicals R which, as a substituent group, can be bonded to carbocyclic atoms; m' is an integer of 0-8, provided that m' should be at least 2 when n is at least 4 and both R¹ and R² are alkyl groups; the sum of the carbon atoms of R_{m'} does not exceed 12; and when n is 4, R may be an isopropylidene group which intramolecularly bridges between the third and sixth carbocyclic atoms, with the proviso that the 2-(1-hydroxyalkyl)-cycloalkanones are not





.....(17)

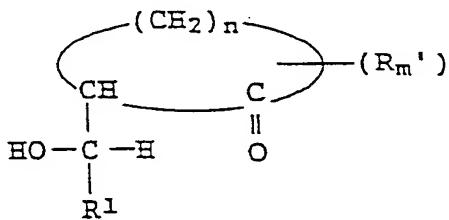
2. The noxious-insect repellent of Claim 1, wherein the 2-(1-hydroxyalkyl)-cycloalkanones are 2-(1-hydroxyisopropyl)-cycloalkanone derivatives represented by the following structural formula (12):



.....(12)

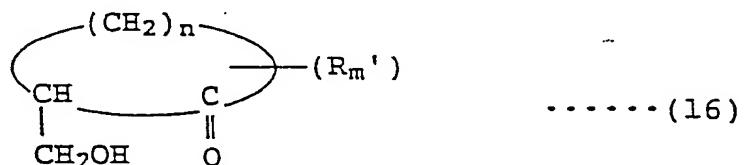
wherein n' is an integer of 3 or 4; when n' is 3, m' is at least 1; and when n' is 4, m' is at least 2.

3. The noxious-insect repellent of Claim 1, wherein said 2-(1-hydroxyalkyl)-cycloalkanones are represented by the following structural formula (15):



.....(15)

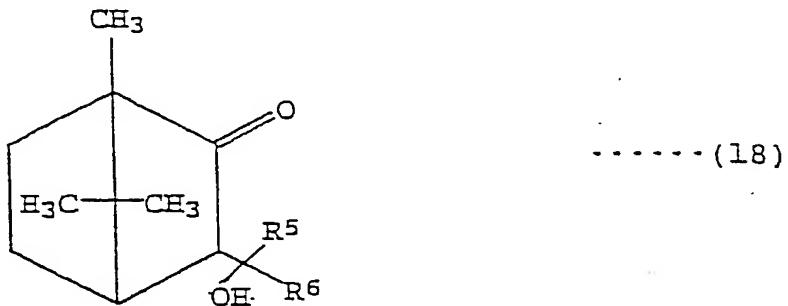
4. The noxious insect repellent of Claim 1, wherein said 2-(1-hydroxyalkyl)-cycloalkanones are 2-(hydroxymethyl)-cycloalkanones represented by the following structural formula (16):



5. The noxious-insect repellent of Claim 1, wherein said 2-(1-hydroxyalkyl)-cycloalkanones are represented by the following structural formulae (13) and (18)



and

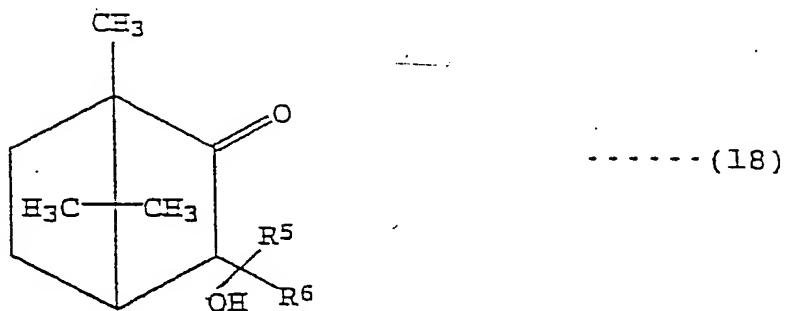


wherein R^5 and R^6 are independently hydrogen or a lower alkyl group having at most 3 carbon atoms and the sum of the carbon atoms of R^5 and R^6 is 0-3.

6. The noxious-insect repellent of Claim 5, wherein the 2-(1-hydroxyalkyl)-cycloalkanone has the formula (13)



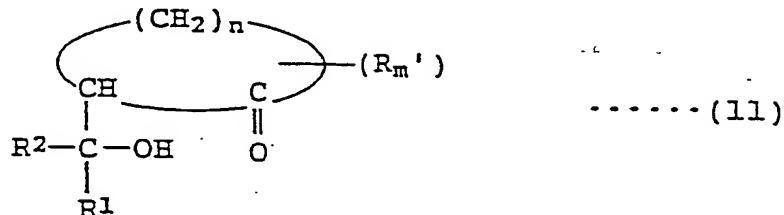
7. The noxious insect repellent of Claim 5, wherein the 2-(1-hydroxyalkyl)-cycloalkanone has the formula (18)



8. The noxious insect repellent of Claim 1, wherein said 2-(1-hydroxyalkyl)-cycloalkanone is contained in an amount of 3-20% by weight, based on the total weight.

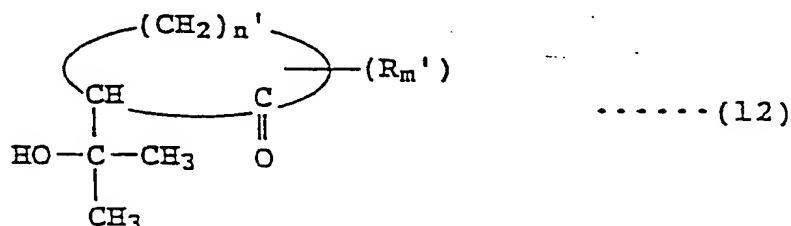
9. A method of repelling noxious insects comprising the steps of exposing said noxious insects to a composition containing 0.1-90% by weight, based on the total weight, of at least one of 2-(1-hydroxyalkyl)-

cycloalkanones represented by the following general structural formula (11):



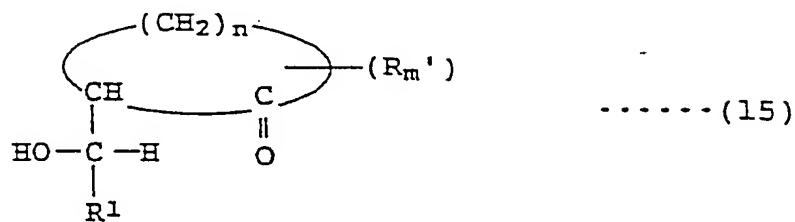
wherein n is an integer of 3-10; R¹ is hydrogen or a straight-chain saturated hydrocarbon radical having 1-6 carbon atoms; R² is hydrogen or a methyl group; R_{m'} is m' of the same or different, straight chain or branched, saturated or unsaturated, hydrocarbon radicals R which, as a substituent group, can be bonded to carbocyclic atoms; m' is an integer of 0-8, provided that m' should be at least 2 when n is at least 4 and both R¹ and R² are alkyl groups; the sum of the carbon atoms of R_{m'} does not exceed 12; and when n is 4, R may be an isopropylidene group which intramolecularly bridges between the third and sixth carbocyclic atoms.

10. The method of Claim 9, wherein the 2-(1-hydroxyalkyl)-cycloalkanones are 2-(1-hydroxyisopropyl)-cycloalkone derivatives represented by the following structural formula (12):

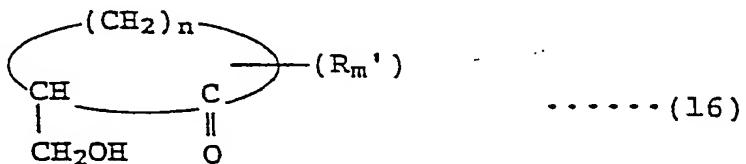


wherein n' is an integer of 3 or 4; when n' is 3, m' is at least 1; and when n' is 4, m' is at least 2.

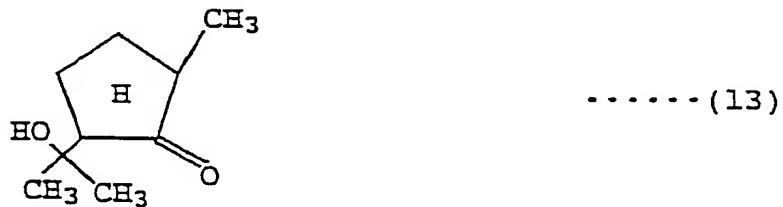
11. The method of Claim 9, wherein said 2-(1-hydroxyalkyl)-cycloalkanones are represented by the following structural formula (15):

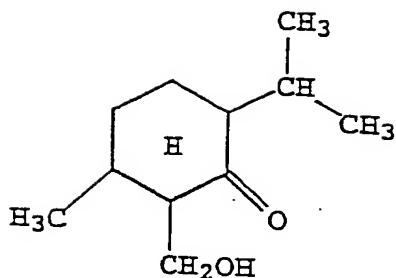


12. The method of Claim 9, wherein said 2-(1-hydroxyalkyl)-cycloalkanones are 2-(hydroxymethyl)-cycloalkanones represented by the following structural formula (16):



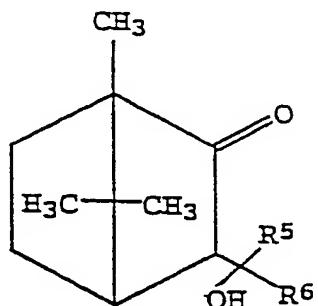
13. The method of Claim 9, wherein said 2-(1-hydroxyalkyl)-cycloalkanones are represented by the following formulae (13), (17) and (18)





.....(17)

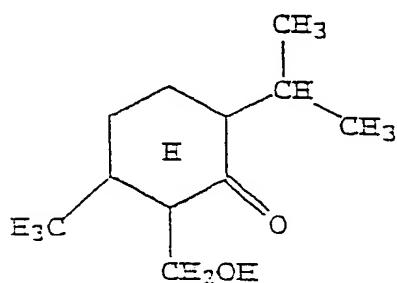
and



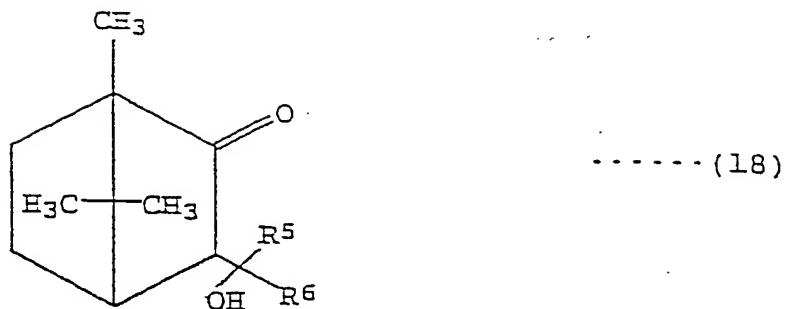
.....(18)

wherein R⁵ and R⁶ are independently hydrogen or a lower alkyl group having at most 3 carbon atoms and the sum of the carbon atoms of R⁵ and R⁶ is 0-3.

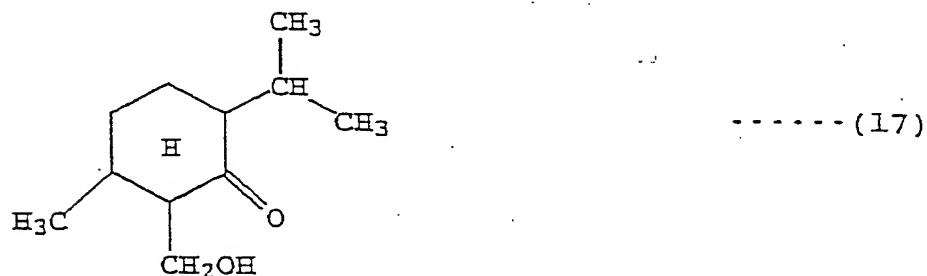
14. The method of Claim 13, wherein the 2-(1-hydroxyalkyl)-cycloalkanones are represented by at least one of the following formulae (17) and (18)



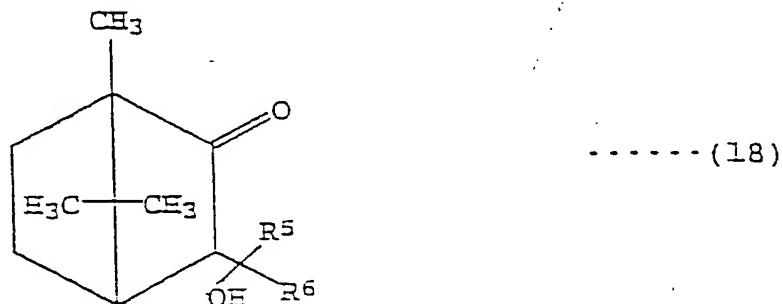
.....(17)



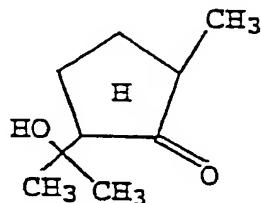
15. The method of Claim 14, wherein the 2-(1-hydroxyalkyl)-cycloalkanone has the formula (17)



16. The method of Claim 14, wherein the 2-(1-hydroxyalkyl)-cycloalkanone has the formula (18)



17. The method of Claim 9, wherein the 2-(1-hydroxyalkyl)-cycloalkanone has the formula (13)



.....(13)

18. The method of Claim 9, wherein said 2-(1-hydroxyalkyl)-cycloalkanone is contained in an amount of 3-20% by weight.

19. The method of Claim 9, wherein said noxious insects are selected from the group consisting of mosquitoes, black flies, ticks, millipedes, army worms and slugs.

20. The method of Claim 9, wherein the composition is applied to a human or an animal.

21. The method of Claim 9, wherein the composition is applied to a substrate.

22. The method of Claim 9, wherein the noxious insects are mosquitoes.

23. The method of Claim 22, wherein the mosquitoes are tiger mosquitoes.

24. The method of Claim 21, wherein the substrate is selected from the group consisting of a sheet, a film and a net.